

## Soheil Hor

Ph.D. Student in Electrical Engineering, admitted Autumn 2017

### Publications

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#### PUBLICATIONS

- **A Data-Driven Waveform Adaptation Method for Mm-Wave Gait Classification at the Edge** *IEEE SIGNAL PROCESSING LETTERS*  
Hor, S., Pilanci, M., Arbabian, A.  
2022; 29: 26-30
- **Single-Snapshot Pedestrian Gait Recognition at the Edge: A Deep Learning Approach to High-Resolution mmWave Sensing**  
Hor, S., Poole, N., Arbabian, A., IEEE  
IEEE.2022
- **A Real-Time, Frame-Level Platform Vibration Compensation Approach for mmWave Radar Systems**  
Poole, N., Hor, S., Arbabian, A., IEEE  
IEEE.2021: 181-184
- **A partial augmented reality system with live ultrasound and registered preoperative MRI for guiding robot-assisted radical prostatectomy.** *Medical image analysis*  
Samei, G., Tsang, K., Kesch, C., Lobo, J., Hor, S., Mohareeri, O., Chang, S., Goldenberg, S. L., Black, P. C., Salcudean, S.  
2019; 60: 101588
- **A New Wireless Power-Transfer Circuit for Retinal Prosthesis** *IEEE TRANSACTIONS ON POWER ELECTRONICS*  
Mashhadi, I., Pahlevani, M., Hor, S., Pahlevani, H., Adib, E.  
2019; 34 (7): 6438–52
- **Play Me Back: A Unified Training Platform for Robotic and Laparoscopic Surgery** *IEEE ROBOTICS AND AUTOMATION LETTERS*  
Abdelaal, A., Sakr, M., Avinash, A., Mohammed, S. K., Bajwa, A., Sahni, M., Hor, S., Fels, S., Salcudean, S. E.  
2019; 4 (2): 554–61
- **A New Wireless Power and Data Transmission Circuit for Cochlear Implants**  
Mashhadi, I., Poorali, B., Hor, S., Pahlevani, M., Pahlevani, H., IEEE  
IEEE.2019: 16–19
- **Automatic grading of prostate cancer in digitized histopathology images: Learning from multiple experts** *MEDICAL IMAGE ANALYSIS*  
Nir, G., Hor, S., Karimi, D., Fazli, L., Skinnider, B. F., Tavassoli, P., Turbin, D., Villamil, C. F., Wang, G., Wilson, R., Iczkowski, K. A., Lucia, M., Black, et al  
2018; 50: 167-180
- **Automatic grading of prostate cancer in digitized histopathology images: Learning from multiple experts.** *Medical image analysis*  
Nir, G., Hor, S., Karimi, D., Fazli, L., Skinnider, B. F., Tavassoli, P., Turbin, D., Villamil, C. F., Wang, G., Wilson, R. S., Iczkowski, K. A., Lucia, M. S., Black, et al  
2018; 50: 167–80
- **Learning in data-limited multimodal scenarios: Scandent decision forests and tree-based features**  
Hor, S., Moradi, M.  
ELSEVIER SCIENCE BV.2016: 30–41
- **Scandent Tree: A Random Forest Learning Method for Incomplete Multimodal Datasets**  
Hor, S., Moradi, M., Navab, N., Hornegger, J., Wells, W. M., Frangi, A. F.  
SPRINGER INT PUBLISHING AG.2015: 694–701